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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/656,088	09/05/2003	David N. Rudo	RUDO121677	9931
26389	7590	05/09/2006	EXAMINER	
CHRISTENSEN, O'CONNOR, JOHNSON, KINDNESS, PLLC 1420 FIFTH AVENUE SUITE 2800 SEATTLE, WA 98101-2347			YOON, TAE H	
		ART UNIT	PAPER NUMBER	
		1714		

DATE MAILED: 05/09/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)
	10/656,088	RUDO, DAVID N.
	Examiner Tae H. Yoon	Art Unit 1714

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 23 March 2006.

2a) This action is FINAL. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-9, 11-19 and 21-26 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) Claim(s) _____ is/are allowed.

6) Claim(s) 1-9, 11-19 and 21-26 is/are rejected.

7) Claim(s) _____ is/are objected to.

8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some * c) None of:

- Certified copies of the priority documents have been received.
- Certified copies of the priority documents have been received in Application No. 09/807,560.
- Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date. _____
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date. _____	6) <input type="checkbox"/> Other: _____

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-9, 11-19 and 21-26 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Rudo (US 5,176,951).

Rudo discloses a composition and a method thereof in reinforcing a dental appliance or prosthesis. Rudo discloses that a synthetic resin containing dental structures can be reinforced by combining a lightweight woven fabric comprising aramid or polyethylene fibers (col. 4, line 1). The method involves applying one or more layers of a lightweight woven fabric to a dental structure to be reinforced, and typically covering the fabric with resin so that the fabric is not exposed (col. 4, lines 20-25). Fibers used to construct the fabric include Kevlar and Spectra (col. 2, line 40). The surface of fibers can be treated with plasma to enhance the bonding between the fiber and resin (col. 1, line 40). Furthermore, in claim 2 of Rudo's invention a cold gas plasma treatment is used to treat the fiber surface. The polymeric resin used can be acrylic resin and bis-GMA (col. 6, line 52). Rudo also discloses the type of dental

structures that can be reinforced: retainer, bridges, splints, etc (col. 7, lines 5-28).

Fabric reinforcement is also stronger when the threads of different layers of fabric do not run parallel with respect to each other (col. 6, line 1). For example, neighboring layers can be set such that some of the threads from neighboring layers will form 45 degree angle relative each other (col. 6, line 5).

The instant invention further recites the use of a triaxial material. However, Rudo teaches various patents including US. Pat. 4,960,349 at col. 5, lines 37-41 and incorporated by references therein. Thus, said US. Pat. 4,960,349 is a part of Rudo's invention and teaches a triaxial structure in Fig. 1.

Thus, the instant invention lacks novelty.

Again, applicant's 1.132 declaration has little probative value since it is based on applicant's opinion, and especially Rudo teaches US. Pat. 4,960,349 as a part of the disclosure.

Claims 1-9, 11-19 and 21-26 are under 35 U.S.C. 103(a) as obvious over Rudo (US 5,176,951) in view of Willibey et al (US 4,960,349).

The instant invention further recites the use of a triaxial material. However, Rudo teaches various patents including US. Pat. 4,960,349 at col. 5, lines 37-41 and incorporated by references therein. Said US. Pat. 4,960,349 teaches a triaxial structure in Fig. 1.

It would have been obvious to one of ordinary skilled in the art at the time of invention to utilize the triaxial configuration taught by Willibey et al in constructing a

dental bridge of Rudo since Rudo teaches making dental bridges and since Rudo teaches using a fabric taught Willibey et al.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tae H. Yoon whose telephone number is (571) 272-1128. The examiner can normally be reached on Mon-Thu.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vasu Jagannathan can be reached on (571) 272-1119. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Tae H Yoon
Primary Examiner
Art Unit 1714

THY/May 8, 2006